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(54) Title: CR-AL-STEEL FOR HIGH-TEMPERATURE APPLICATIONS

(57) Abstract: The present invention relates to a product of ferritic stainless steel manufactured according to the process of this invention, which product has increased resistance to cyclic and continuous thermal load and oxidation at elevated temperatures and which has improved mechanical properties at said temperatures as well as use thereof in the form of wire, strip, foil and/or tube in high-temperature applications such as in catalytic converter applications, in heating and furnace applications and which has the following composition (in % by weight): less than 1 % of Ni, 15-25 % of Cr, 4,5-12 % of Al, 0,5-4 % of Mo, 0,01-1,2 % of Nb, 0-0,5 % of Ti, 0-0,5 % of Y, Sc, Zr and/or Hf, 0-0,2 % of one or more rare earth metals (REM) such as, for instance, Ce or La, 0-0,2 % of C, 0-0,2 % of N, with the balance iron and normally occurring impurities.



WO 2005/080622 A1